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Nov 22, 1993

DERWENT-ACC-NO: 1993-411094

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TITLE: Nematic LC compsn. for super twisted nematic LCD - contains mixt. of 24 unsatd. and/or aromatic cpds., giving low threshold potential and rapid response

PRIORITY-DATA: 1992JP-0117739 (May 11, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 05311172 A	November 22, 1993		027	C09K019/42
JP 3228781 B2	November 12, 2001		026	C09K019/42

INT-CL (IPC): C09K 19/42; G02F 1/13; G02F 1/133

ABSTRACTED-PUB-NO: JP 05311172A

BASIC-ABSTRACT:

The nematic liquid crystal compsn. comprises cpds. (I)-(XXIV). R1=CH3, H, n=0, 2, m=0, 1, R2=2-7C alkyl, alkenyl, R3=2-7C linear alkyl, alkoxy, alkenyloxy, R4, R5=independently 2-7C linear alkyl, A=1,4-phenylene, 1,4-cyclohexylene, X1=CH3, H, X2=H, F.

The super twisted nematic liquid crystal display device comprising the above compsn. is new.

USE/ADVANTAGE - The liquid crystal compsn. exhibits low threshold potential, high speed response and high chemical stability. The device employing the compsn. exhibits high response, high time sharing skill, improved crosstalk phenomena, thereby good driving and displaying characteristics are obtd., as well as high heat resistance and light stability.